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1990

# Ocean Studies Pamphlet

Nova University

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## NSUWorks Citation

Nova University, "Ocean Studies Pamphlet" (1990). *Halmos College of Natural Sciences and Oceanography Course Catalogs*. 24.  
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NOVA COLLEGE  
FORT LAUDERDALE  
FLORIDA

# Ocean Studies

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## ■ THIS MAJOR IS BEING OFFERED THROUGH NOVA'S UNDERGRADUATE PROGRAM

The broad field of Ocean Science is concerned with the biological, geological, physical, and chemical processes of oceans and their basins. Practicing ocean scientists specialize in one of these areas. Initially, however, they must have an introduction to all of these disciplines because of the multidisciplinary nature of the marine sciences.

## ■ WHAT ARE THE BENEFITS OF A BACHELOR'S DEGREE IN OCEAN STUDIES?

Professional careers in Oceanographic research, education, or environmental regulation usually require graduate study beyond the baccalaureate degree, similar to the requirements of the fields of law and medicine. Other careers are available with the bachelor of science degree and include technical positions in such fields as environmental monitoring and quality control, fisheries science, laboratory or field research, and aquaculture.

## ■ WHY PURSUE AN OCEAN STUDIES DEGREE IN THE 1990S?

Understanding of the biological and physical processes in the open ocean and coastal areas provides for the most efficient and effective management of our natural resources. As man's usage of the oceans continues to expand, the avoidance of irreparable biological harm is of prime importance. While it is difficult to predict the future, it is a good bet that as our reliance on the oceans for living and mineral resources increases, so will the demand for professional marine biologists, ecologists, and technicians.

## ■ THE CURRICULUM

The major requirements include:  
Introductory Biology  
Introductory Oceanography  
General Botany  
Invertebrate Zoology  
Vertebrate Zoology  
Microbiology  
Genetics  
General Ecology  
Bio-Organic Chemistry  
General Chemistry I & II  
Applied Physics I & II  
Oceanography Seminar  
Ocean Science Research  
Historical Geology Physical Geology  
Philosophy and Ethics of Science  
Pre-Calculus  
Applied Statistics

Specialty Courses include:  
Cellular Biology and Physiology  
Marine Ecosystems  
Marine Chemistry  
Mariculture (Aquaculture)  
as well as many electives from other University Departments.

## ■ THIS MAJOR IS BEING OFFERED IN ADDITION TO:

Accounting  
Administrative Studies  
Business Administration  
Computer Science  
Computer Engineering  
Computer Information Systems  
Computer Systems  
Education  
Legal Studies (Pre-Law)  
Liberal Arts  
Life Sciences (Pre-Med)  
Psychology

## ■ NOVA COLLEGE

Nova College is the undergraduate division of Nova University, an independent, coeducational institution of higher learning located in the growing area of Fort Lauderdale, Florida. Nova University has the reputation of being on the cutting edge of academic research and experiential study. The Oceanographic Center is located on a 10-acre site on the Intracoastal Waterway. The center's proximity to the Gulf Stream makes it an ideal location for oceanographic research.

*Nova University is accredited by the Commission on Colleges of the Southern Association of Colleges Schools to award bachelor's, master's, educational specialist doctoral degrees. Nova Univr admits students of any race, and national or ethnic origii*

